

WORK SAMPLE

This work sample package is being used to illustrate the type of work for bidding purposes. In reality, the scope of work is significantly different from this work sample package.

Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
General Notes

1. At CSLC Project Engineer's discretion, the contractor may be asked to remove hazards that are not identified in any of the Work Orders.
2. Wherever practical, hazard shall be removed in its entirety. However, all hazards shall be removed a minimum of one foot below the bedrock or to the satisfaction of CSLC on-site inspector. All hazard removal details shall be documented by the contractor and submitted to CLSC for information.
 - Depending upon location and type of hazard, the contractor may need to either obtain permits or provide support in obtaining the required permits.
4. Before proceeding with the hazards removal effort, CSLC may request the contractor to provide an estimate for removal including crew size and type, equipment required and the estimated time needed for removal of the hazard.
5. Contractors are urged to review and be very familiar with the following documents:
 - Permits for the project (Coastal Commission, Army CoE, SWRCB, and county and city permits, as applicable)
 - Initial Study/Mitigated Negative Declaration prepared by Padre Associates, July 29, 2002
6. Hazards removal effort is sea state and tide sensitive. Usually, there is a small window of opportunity when the hazards are visible and easy to remove. Contractor shall be prepared to mobilize quickly for the hazards removal effort.
7. CSLC conducted a study to compare use of backhoe versus excavator for removal of hazards and determined that excavator provides greater efficiency and effectiveness in hazards removal effort.
8. Contractor shall provide a detailed rate sheet for all personnel classifications and equipment currently proposed for the project or the personnel/equipment that may possibly be used for this project.

Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Retaining Wall Hazard, Site No. 7

This hazard is visible throughout the year and can be removed any time. The actual length of sheet piles to be removed may vary significantly from the length identified below

Hazard Description:

4,000 feet long wood sheet piles are sticking 6 ft to 8 ft above ground. The anchorage or foundation details of these sheet pile sections are not known. Certain portions of the sheet piling is acting as a retaining wall keeping soil from sliding.

Location:

Santa Barbara County, Santa Barbara Shores (B). From freeway 101 North exit Winchester Canyon Road, go across the freeway and proceed on Hollister Ave south and turn right at Ellwood Shore Drive and go through the gate down to the beach

Access for Equipment:

Access for construction equipment is available.

Removal Procedure:

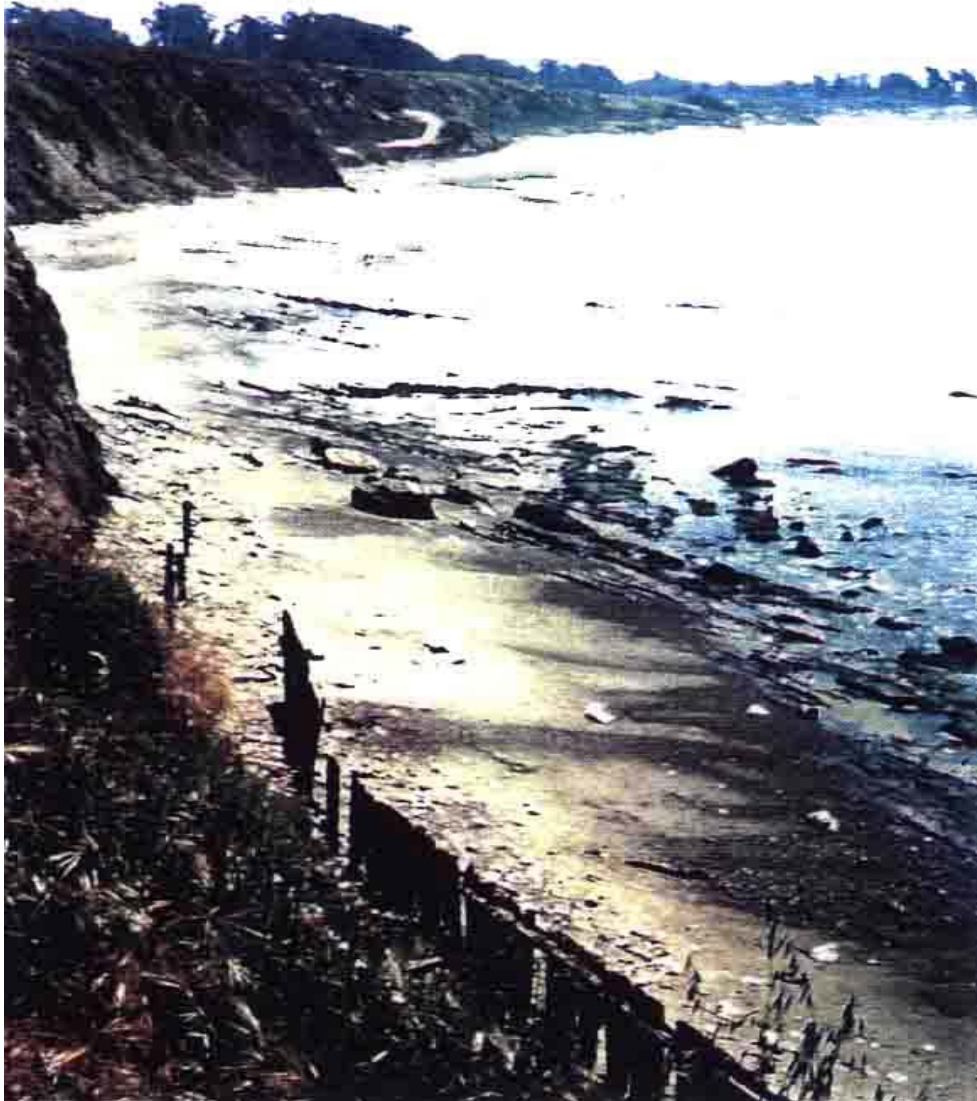
To be determined by the contractor.

**Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Retaining Wall Hazard, Site No. 7**



Shows remnants of Wood Sheet Piles in 1993. This photograph was taken looking southwest immediately south of Santa Barbara Shores Drive.

**Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Retaining Wall Hazard, Site No. 7**



Shows remnants of Wood Sheet Piles in 1998. This photograph was taken looking southeast immediately south of Santa Barbara Shores Drive.

**Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Retaining Wall Hazard, Site No. 7**



Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
H-Piles Hazard, Site No. 1

The exposure of this hazard is tide and sea state dependent. Thus, the contractor must mobilize as soon as CSLC authorizes him to proceed with the task identified in this work order. All hazards may not get exposed simultaneously. Thus, this Work Order may be completed in stages as directed by CSLC Project Manager. The actual number of pieces to be removed may vary significantly from the number identified below.

Hazard Description:

Seventy Railroad iron rods (H-Piles) spaced 10' to 15' apart are sticking out 1' to 5' above ground.

Location:

Tejigas. On 101 North go two miles past Refugio State Beach exit (1/2 mile past Call Box 101-382) and turn left across the highway on to the Frontage Road. Go about < mile north and turn off on a dirt road. Hazard is located about 200' down towards the bluff.

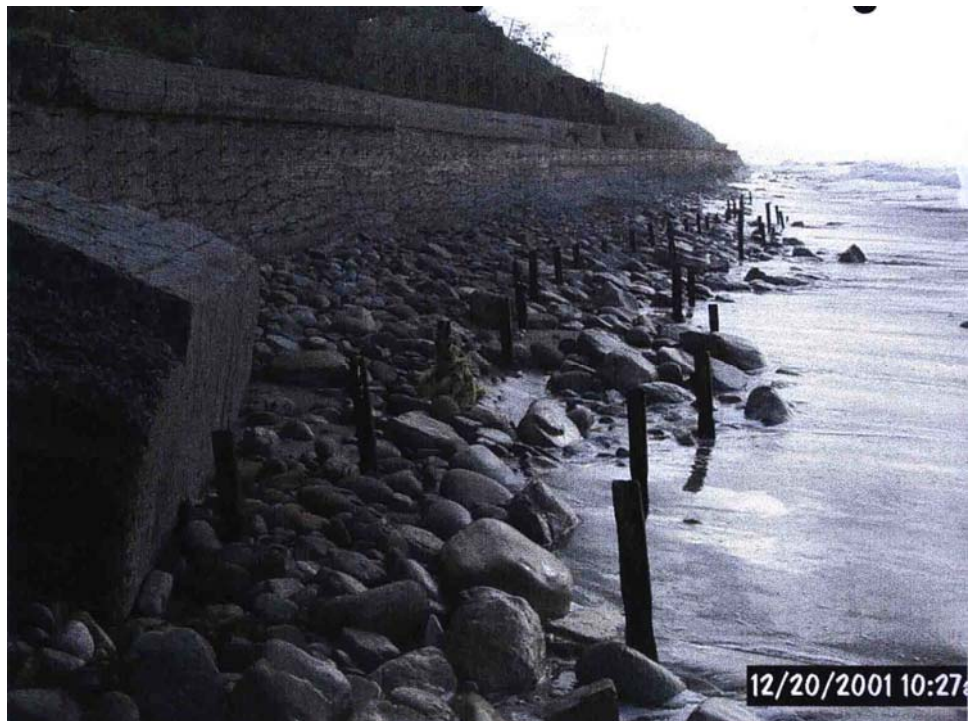
Access for Equipment:

Contractor may need to coordinate with Union Pacific Railroad.

Removal Procedure:

To be determined by the contractor

Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
H-Piles Hazard, Site No. 1



Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Well Casings and H Piles, Hazard Site No. 6

The exposure of this hazard is tide and sea state dependent. Thus, the contractor must mobilize as soon as CSLC authorizes him to proceed with the task identified in this work order. All hazards may not get exposed simultaneously. Thus, this Work Order may be completed in stages as directed by CSLC Project Manager. The actual number of pieces to be removed may vary significantly from the number identified below.

Hazard Description:

Three 14" Well Casings are sticking out 1' to 4' above ground.

Location:

Santa Barbara Shores (A). On 101 North exit Winchester Canyon Road. Go across the freeway and proceed on Hollister Ave. South. Turn right at Ellwood Shore Drive and go through the gate down to the beach.

Access for Equipment:

Access for construction equipment is available.

Removal Procedure:

To be determined by the contractor.

Note:

H-Pile and Well Casing hazards are quite common and occur at most of the sites.

Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Well Casings and H Piles, Hazard Site No. 6



Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Corroded Steel Frames, Hazard Site No. 8

The exposure of this hazard is tide and sea state dependent. Thus, the contractor must mobilize as soon as CSLC authorizes him to proceed with the task identified in this work order. All hazards may not get exposed simultaneously. Thus, this Work Order may be completed in stages as directed by CSLC Project Manager. The actual number of pieces to be removed may vary significantly from the number identified below.

Hazard Description:

Thirty 2 1/2" Corroded Pipe Frames are scattered along the shoreline.

Location:

Deveroux Slough-Sands Beach. On 101 North exit Winchester Canyon Road. Go across the freeway and proceed on Hollister Ave. South. Turn right at Ellwood Shore Drive and go through the gate down to the beach.

Access for Equipment:

Access for construction equipment is available.

Removal Procedure:

To be determined by the contractor.

Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Corroded Steel Frames, Hazard Site No. 8



Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Abandoned Pipeline, Site 6

The exposure of this hazard is tide and sea state dependent. Thus, the contractor must mobilize as soon as CSLC authorizes him to proceed with the task identified in this work order. All hazards may not get exposed simultaneously. Thus, this Work Order may be completed in stages as directed by CSLC Project Manager. The actual length of pipe to be removed may vary significantly from the length identified below.

Hazard Description:

500 feet of abandoned 6" Pipeline runs above ground from beach to the shoreline.

Location:

Santa Barbara County, Santa Barbara Shores (A). On 101 North exit Winchester Canyon Road. Go across the freeway and proceed on Hollister Ave. South. Turn right at Ellwood Shore Drive and go through the gate down to the beach.

Access for Equipment:

Access for construction equipment is available.

Permits:

Contractor shall obtain permits from the appropriate agencies.

Removal Procedure:

To be determined by the contractor.

Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Abandoned Pipeline, Site 6



Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Deep offshore wellhead hazard, Site 24

This is an old abandoned well, Pauley Petroleum Inc. Core Hole 7B-19, PRC-2920. The task is for conducting the final abandonment and removal of the debris. The information provided here is based on the survey conducted over three years ago. Thus, the current condition and casing projections above sea floor may be significantly different from those shown in the attached figure.

Hazard Description:

See attached figure "Current Condition".

Location:

Lambert Zone 5 Coordinates: X = 1,364,304 Y = 349,600

Access for Equipment:

Access for construction equipment is available.

Removal Procedure:

To be determined by the contractor. Remove and recover the base plate and cut and recover 10 3/4" and 8 5/8" casings from a minimum of 1' below the mud line. Survey and recover any additional debris to complete abandonment. For the purpose of cost estimate, contractor shall assume ocean floor survey of 500' diameter prior to start of and at completion of the abandonment task.

Notes:

Casing Record for the well: 10 3/4" casing set at 344', 8 5/8" casing set at 839' and 7 7/8" Hole to T.D. 5345'.

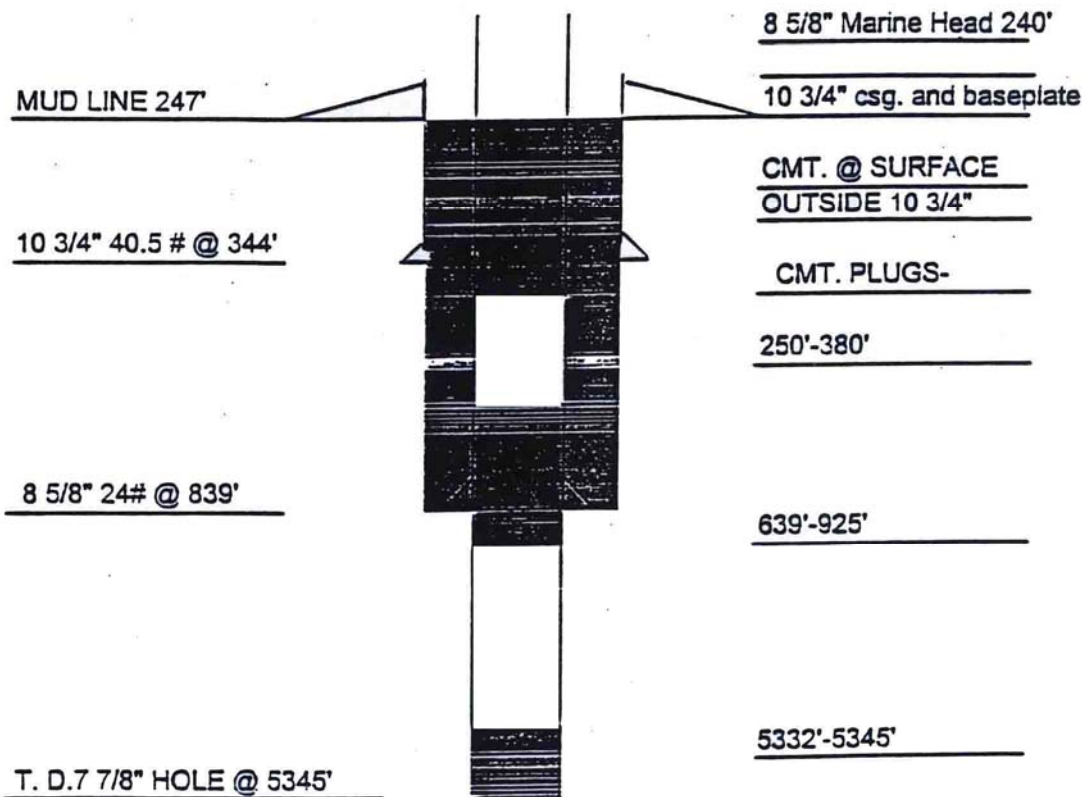
Plugged with cement from 5332' to 5345', 639' to 925', 250' to 380' (All depths measured from RKB which is 23' above Sea Level. Water depth is approximately 254').

Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Deep offshore wellhead hazard, Site 24

PAULEY PETROLEUM, INC.
CORE HOLE # 7B-19

LOCATION X= 1,346,304 Y= 349,600 LAMBERT ZONE 5
WATER DEPTH 224' RKB 23' ABOVE SEA LEVEL

CURRENT CONDITION



Santa Barbara Channel Hazards Removal Program
CSLC Bid Log No. 2008-09
Deep offshore wellhead hazard, Site 24

PAULEY PETROLEUM, INC.
CORE HOLE # 7B-19

LOCATION X= 1,346,304 Y= 349,600 LAMBERT ZONE 5
WATER DEPTH 224' RKB 23' ABOVE SEA LEVEL

PROPOSED CONDITION

